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JUNE 15, 2001

PTAS



\*101664139A\*

ARTER & HADDEN LLP  
JAMES C. SCOTT, ESQ.  
1100 HUNTINGTON BUILDING  
925 EUCLID AVENUE  
CLEVELAND, OHIO 44115

UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 03/19/2001

REEL/FRAME: 011664/0182  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
STEFANOV, MICHAEL E.

DOC DATE: 01/30/2001

ASSIGNOR:  
GANDHI, JIGNESH V.

DOC DATE: 01/30/2001

ASSIGNEE:  
HANA MICRODISPLAY TECHNOLOGIES,  
INC.  
2061 CASE PARKWAY SOUTH, UNIT 6  
TWINSBURG, OHIO 44087

SERIAL NUMBER: 09758775  
PATENT NUMBER:

FILING DATE: 01/11/2001  
ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

3-19-01  
FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

04-16-2001

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



101664139

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ New (DOCKET NO. 72880/04796)

☐ Resubmission (Non-Recordation)  
Document ID#

☐ Correction of PTO Error

Reel # Frame #

☐ Corrective Document

Reel # Frame #

**Conveyance Type**

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached

Name (line 1) Jignesh V. Gandhi

Name (line 2)

Execution Date  
Month Day Year

1/30/01

**Second Party**

Name (line 1) Michael E. Stefanov

Name (line 2)

Execution Date  
Month Day Year

**Receiving Party**

☐ Mark if additional names of conveying parties attached

Name (line 1) HANA Microdisplay Technologies, Inc.

Name (line 2)

Address (line 1) 2061 Case Parkway South, Unit 6

Address (line 2)

Address (line 3) Twinsburg

City

Ohio

State/Country

44087

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name (line 1)

Address (line 1)

Address (line 2)

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04/13/2001 DBYRNE 00000117 500902 09758775

FC:581 40.00 CH

## Correspondent Name and Address

Area Code and Telephone Number

(216) 696-4494

Name

James C. Scott, Esq. (Registration No. 35,351)

Address (line 1)

Arter &amp; Hadden LLP

Address (line 2)

1100 Huntington Building

Address (line 3)

925 Euclid Avenue

Address (line 4)

Cleveland, Ohio 44115

## Pages

Enter the total number of pages of the attached conveyance document  
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# 2

## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/758.775

If this document is being filed together with a new Patent Application, enter the date the patent  
application was signed by the first named executing inventor.

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
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PCT

PCT

PCT

PCT

PCT

PCT

## Number of Properties

Enter the total number of properties involved. #

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed

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Deposit Account

☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

50-0902

Docket No. 72880/04796

Authorization to charge additional fees:

Yes

☒

No

☐

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true  
copy of the original document. Charges to deposit account are authorized, as indicated herein.

James C. Scott, Esq.

Signature

Date

3/19/01

**ASSIGNMENT**

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:        Name:        Jignesh V. Gandhi  
                     Address:    2515A, Colony Park Place  
                                     Stow, Ohio 44224  
                     County:    Summit

ASSIGNOR:        Name:        Michael Stefanov  
                     Address:    2894 Duquesne Drive  
                                     Stow, Ohio 44224  
                     County:    Summit

hereby sell, assign and transfer to

ASSIGNEE:        Name:        HANA Microdisplay Technologies, Inc.  
  
                     Principal Place  
                     Of Business: 2061 Case Parkway South, Unit 6  
                                     Twinsburg, Ohio 44087

State of  
Incorporation: Ohio

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled:

**ENHANCED CONTRAST RATIO FOR TWISTED NEMATIC LIQUID CRYSTAL DEVICES**

and which is found in (37 C.F.R. § 3.21)

\_\_\_ U.S. patent application executed on the \_\_\_ day of \_\_\_, 2001.

\_\_\_ U.S. patent application executed on the \_\_\_ day of \_\_\_, 2001.

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, we, as ASSIGNOR(S)

signing below, hereby authorize and request our attorney to insert below the filing date and application number when they become known.

U.S. application No. \_\_\_\_\_, filed on \_\_\_\_\_

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for such invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent, any reissue or re-examination thereof.

ASSIGNOR(S) hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Signed at TWINSBURG, OHIO on this  
(City) (State)

30<sup>th</sup> day of JANUARY, 2001.  
(day) (Month)

  
JIGNESH V. GANDHI

\* \* \* \* \*

Signed at \_\_\_\_\_, \_\_\_\_\_ on this  
(City) (State)

\_\_\_\_ day of \_\_\_\_\_, 2001.  
(day) (Month)

\_\_\_\_\_  
MICHAEL STEFANOV

557508

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ New (DOCKET NO. 72880/04795)

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☐ Corrective Document

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☐ Departmental File ☐ Secret File

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☒ Mark if additional names of conveying parties attached

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

☐ Mark if additional names of conveying parties attached

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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(Designation must be a separate document from Assignment.)

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Enter for the first Receiving Party only.

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Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

**Correspondent Name and Address**

Area Code and Telephone Number (216) 696-4494

Name James C. Scott, Esq. (Registration No. 35,351)

Address (line 1) Arter & Hadden LLP

Address (line 2) 1100 Huntington Building

Address (line 3) 925 Euclid Avenue

Address (line 4) Cleveland, Ohio 44115

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. # 2

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/727.092

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

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Enter the total number of properties involved. #

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 50-0902

Docket No. 72880/04795

Authorization to charge additional fees: Yes ☒ No ☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

James C. Scott, Esq.

Signature

Date

FEB. 1, 2001

**ASSIGNMENT**

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:           Name:       James Anderson  
                      Address:   1345 Meriline Road  
                                      Cuyahoga Falls, Ohio  
                      County:     Summit

ASSIGNOR:           Name:       Michael Stefanov  
                      Address:   2894 Duquesne Drive  
                                      Stow, Ohio 44224  
                      County:     Summit

hereby sell, assign and transfer to

ASSIGNEE:           Name:       HANA Microdisplay Technologies, Inc.  
  
                         Principal Place  
                      Of Business: 2061 Case Parkway South, Unit 6  
                                      Twinsburg, Ohio 44087

State of  
Incorporation: Ohio

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled:

**HIGH CONTRAST REFLECTIVE LIGHT VALVE**

and which is found in (37 C.F.R. § 3.21)

☒ U.S. patent application executed on the 19<sup>th</sup> day of January, 2001.

☒ U.S. patent application executed on the 15<sup>th</sup> day of January, 2001.

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, we, as ASSIGNOR(S) signing below, hereby authorize and request our attorney to insert below the filing date



and application number when they become known.

U.S. application No. \_\_\_\_\_, filed on \_\_\_\_\_

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for such invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent, any reissue or re-examination thereof.

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Signed at Cuyahoga Falls, Ohio on this  
(City) (State)

19<sup>th</sup> day of January, 2000.  
(day) (Month)

[Signature]  
JAMES ANDERSON

\*\*\*\*\*

Signed at Stow, Ohio on this  
(City) (State)

19<sup>th</sup> day of January, 2000.  
(day) (Month)

[Signature]  
MICHAEL STEFANOV

549512